



## LODI CITY COUNCIL

Carnegie Forum  
305 West Pine Street, Lodi

## "SHIRTSLEEVE" SESSION

Date: April 16, 2019

Time: 7:00 a.m.

\*and via conference call:

**1311 Midvale Road  
Lodi, CA 95240**

For information regarding this Agenda please contact:

**Jennifer M. Ferraiolo**

**City Clerk**

**Telephone: (209) 333-6702**

### Informal Informational Meeting

**A. Roll Call by City Clerk**

**B. Topic(s)**

B-1 Receive Information Regarding Statewide Trash Policy (PW)

**C. Comments by Public on Non-Agenda Items**

**D. Adjournment**

Pursuant to Section 54954.2(a) of the Government Code of the State of California, this agenda was posted at least 72 hours in advance of the scheduled meeting at a public place freely accessible to the public 24 hours a day.

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Jennifer M. Ferraiolo  
City Clerk

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## CITY OF LODI COUNCIL COMMUNICATION

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**AGENDA TITLE:** Receive Information Regarding the Statewide Trash Policy

**MEETING DATE:** April 16, 2019 (Shirtsleeve Session)

**PREPARED BY:** Public Works Director

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**RECOMMENDED ACTION:** Receive information regarding the Statewide Trash Policy.

**BACKGROUND INFORMATION:** On April 7, 2015, the State Water Resources Control Board (State Water Board) adopted statewide trash provisions to address the significant impact that trash has on surface waters throughout the state. Trash is typically generated on land and transported to surface water, predominantly through municipal discharges.

These discharges are regulated through a statewide general permit pursuant to the Federal Clean Water Act. The new Statewide Trash Policy requirements apply to agencies that fall under the National Pollutant Discharge Elimination System (NPDES) municipal separate storm sewer systems (MS4) permittees. On June 1, 2017, The State Water Board Executive Director sent separate orders to MS4 permittees (including the City of Lodi) requiring the implementation of a trash control program.

Council will receive a presentation from Staff outlining the policy background and compliance requirements, information on the types of devices that are currently available for capturing trash before it enters the waterways, expected costs, and the compliance schedule.

**FISCAL IMPACT:** Not applicable.

**FUNDING AVAILABLE:** Not applicable.

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Charles E. Swimley, Jr.  
Public Works Director

CES/CES/tdb

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**APPROVED:** \_\_\_\_\_  
Stephen Schwabauer, City Manager

The City of Lodi  
**Public Works**



# Statewide Trash Policy

*City Council Shirtsleeves Presentation*

*April 16, 2019*

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# Regulatory Background

What is the  
Trash Policy?

The State Water  
Board requires  
Cities to remove  
trash down to the  
size of a cigarette  
butt from the  
storm drain system.



Image from Penn State.edu.



# Regulatory Background

## What is Trash?

Trash is “junk or rubbish generated by human activity that frequently ends up in waterways.”

*In one study of four cities, the most common trash items found were cigarette butts followed by food and beverage packaging.*



Image from NOAA's marine debris blog



Image from CleanWater Action.org



# Regulatory Background

When does the Trash Policy take effect?

Municipalities must comply with the Trash Policy requirements beginning in December 2018.

Trash Policy  
Adopted by  
SWRCB  
April  
2015

Approved by  
California Office of  
Administrative Law  
December 2015

SWRCB Issued  
Order 13383 to  
MS4 Permittees  
June 2017

Municipalities  
must Comply  
beginning  
December 2018





# Compliance Tracks

Cities have two tracks towards compliance

## Track 1

Use Full Capture Devices in the storm drain system to capture trash.



## Track 2

Combination of:  
Full Capture Devices,  
Institutional Controls,  
Multi-Benefit Projects, &  
Annual Assessments.





# Full Capture Devices

Examples of Full Capture Devices:



Catch Basin Inserts –  
High Maintenance  
Treats individual catch basins  
Low Individual Cost

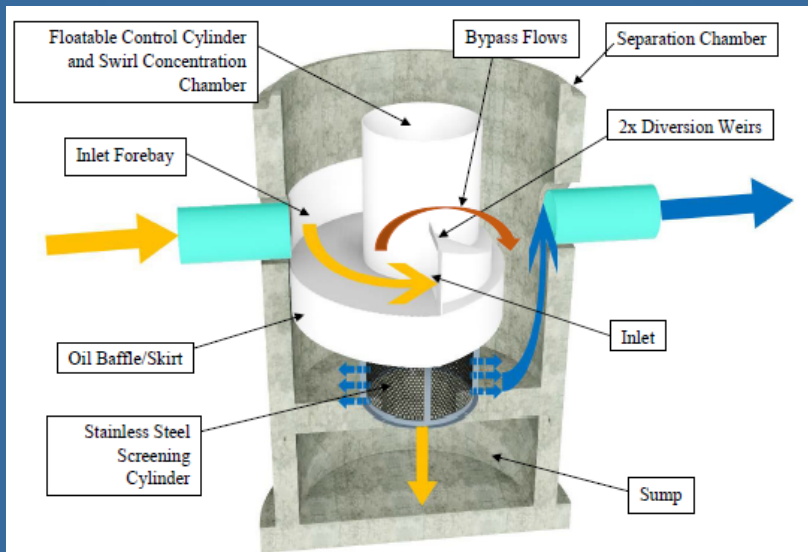




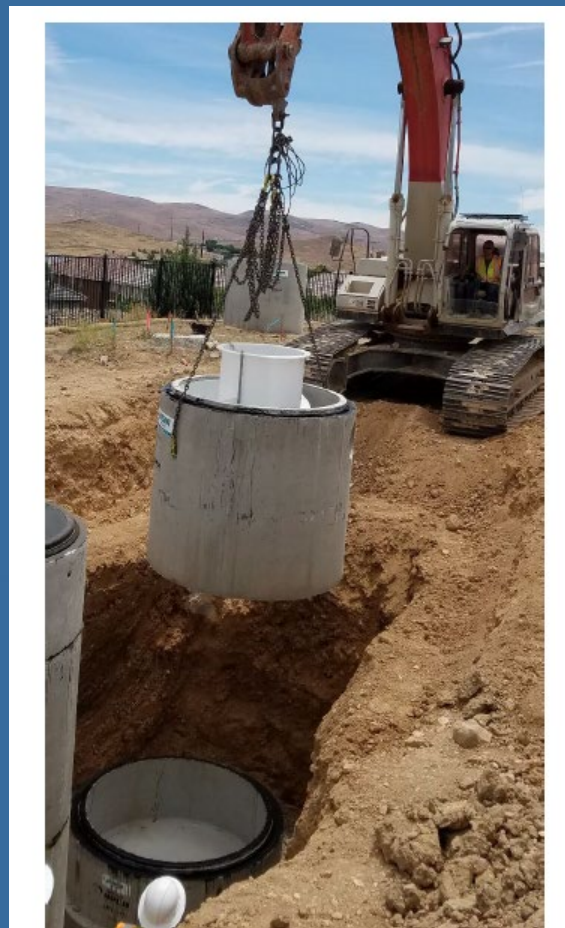


# Full Capture Devices

Examples of Full Capture Devices:



High Flow Devices –  
Low maintenance  
Treats an entire drainage area  
Higher Cost



# Reporting & Monitoring Requirements



## Track 1

**Minimal** reporting requirements/easily quantifiable metrics

1. No Trash Assessment Required
2. No Rationale Required
3. No Implementation Plan Required
4. No Annual Monitoring Requirements
5. One Annual Report that Demonstrates
  - ✓ Installation
  - ✓ Operation &
  - ✓ Maintenance



## Track 2

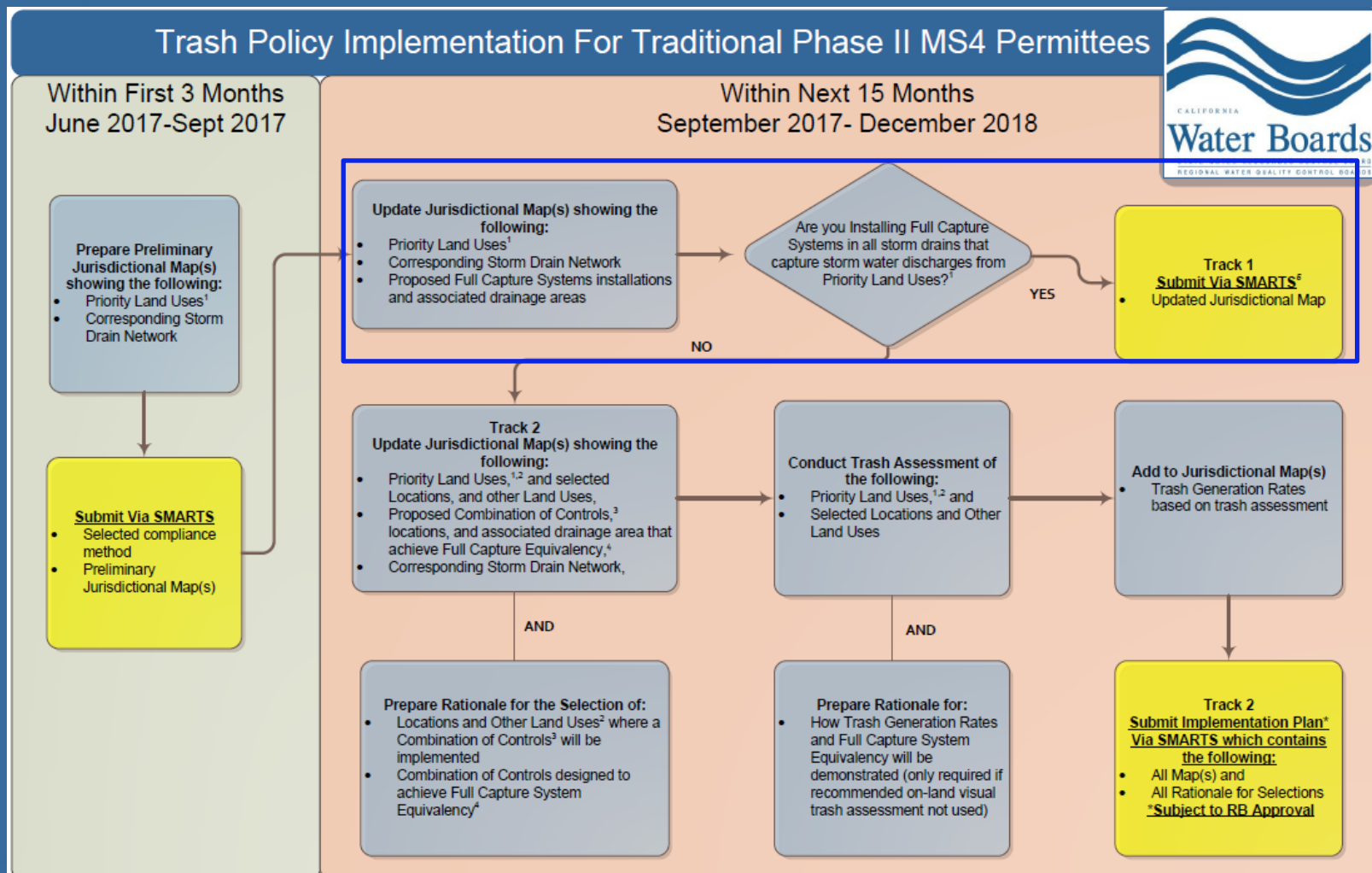
**Substantial** monitoring & reporting requirements/difficult to quantify metrics

1. Requires Full Trash Assessment in Priority Areas (directly measure trash generation rates in land use areas, or in receiving waters)
2. Requires Implementation Plan with rationale to justify Track 2 selection, and describing methods for compliance and methods to demonstrate full trash capture without 100% use of systems
3. Requires Water Board approval
4. Requires development and implementation of Annual Trash Monitoring Plan
5. Requires Annual Monitoring Reports that demonstrate effectiveness equivalent to Track 1
6. Requires Full Capture Systems wherever feasible



# Compliance Tracks

The City of Lodi is selecting Track 1



# Costs



Costs per Capita were estimated by the Water Board for 148 Phase II permittees statewide (total population of 4,237,585)

## **Compliance Schedule with Track 1**

Total incremental cost in the year of full compliance with the final Trash Amendments is estimated to be \$12.3 million or \$2.93 per capita. After Year 10, the incremental cost of operating and maintaining the full capture systems the cost may be \$10 million per year<sup>78</sup> (\$2.37 per capita) (Figure 9).

## **Compliance Schedule with Track 2**

The incremental cost in the year of full compliance with the final Trash Amendments is \$32.9 million or \$7.77<sup>79</sup> per capita (Figure 10).

Current annual trash control expenditures for Phase II permittees with populations between 50,000 to 75,000 is approximately \$12.00 per capita annually.





# Compliance Tracks

## Other Regional Cities

Track 1  
Patterson  
Escalon  
Tracy

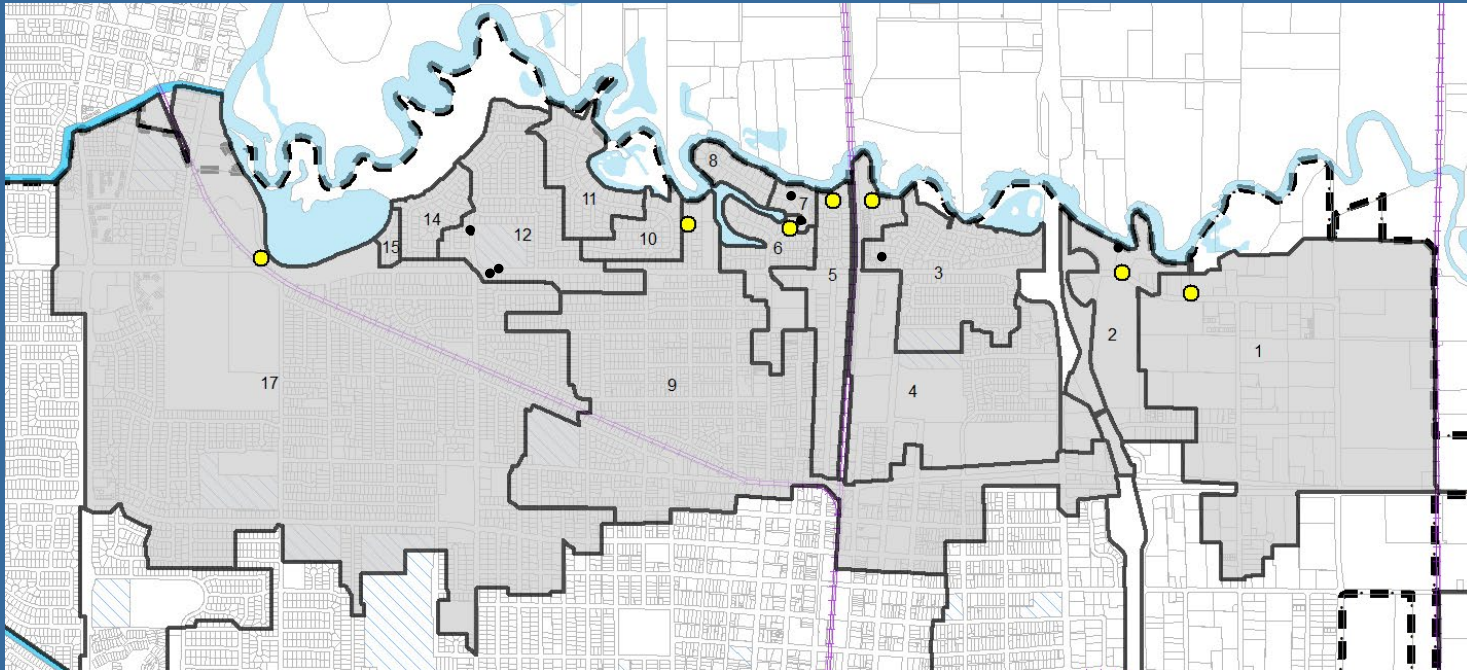
Track 2  
San Joaquin County  
Ceres  
Manteca





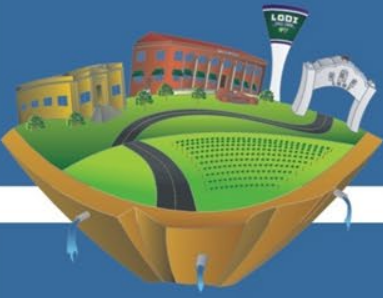
# Next Steps

In the Next Ten Years City of Lodi will Install  
Seven High Capacity Trash Capture Systems ●  
Supplementary Catch Basin Inserts (16) ●






# Next Steps



The City will work with Vector Control to ensure access for mosquito population control

# Next Steps



City of Lodi Selected Track I  
August 29, 2017



City submitted Jurisdictional Map with  
Locations of Full Trash Capture Systems  
December 1, 2018



City Installs Full Capture Systems,  
Begins Reporting Process  
Summer 2019



Final Compliance Required by  
December 2025 (no later than 2030)





# Questions?

